

1. question on Ruth's criterion.
2. characteristic equation for stable state.
3. common collector amplifier (current, [voltage](#) relations...).
4. FET transconductance, G_m is directly proportional to...
5. at 3dB frequency line, gain reduces to...
6. maximum distortion occurs in which amplifier?
7. class B pushpull amplifier suffers from...
8. Barkhausen's criterion for sustained oscillations..
9. low frequency response of RC coupled amplifier (characteristics)
10. ideal operational trans conductance amplifier (i/p & o/p impedance relations)
11. radiation resistance of folded dipole isohms.
12. IC timer 555, low on pin4(reset), what happens?
13. decimal to binary conversion...
14. question on full adder circuit(no of i/p o/p digits)
15. ckt involving: oscillator -> divider -> schmitt trigger -> flip flop -> o/p = ? (-> represents followed by symbol)
16. a ckt: op amp ->diode and capacitor -> o/p; name the ckt?
17. pblm on binary adder (6 bit)
18. feedback factor is 0.1, forward gain of [system](#) is 10, sensitivity w.r.t f/b element?
19. [linux](#) is implemented as?
20. feedback control system characteristics?
21. phased locked loop is used in ?
22. a pblm on random variables...
23. freq response char of ideal comm chnl..
24. best error performance for same avg energy per bit (options 16QAM, 16ASK, 16PSK, QPSK)
25. Tx band width of SSB?
26. nyquist interval..
27. r/n b/n spectral density & auto correlation fpor a periodic function.
28. thermal noise power in a conductor is proportional to...
29. numerical on modulation index...
30. question on radar range..
31. question on doppler radar...
32. microwave signal follows earth curvature, phenomenon called as...
33. flex klystron functions as...
34. microwave junction matched at all points is called...'
35. numerical on schmitt trigger ckt operation on a sine wave.
36. question on assembly language (up) .
37. assembly language (up).
38. assembly language (up)/(uc).
39. operating system architecture.
40. o.s architecture..
41. protocol to receive mails from server..

42. question on ethernet involving distances(2500 mts).
43. [pc](#) to hub distance in 10base T ethernet.
44. ip-sec is an internet [security](#) mechanism for ?
- 45.Radar is used for?
- 46.COHO in MTI Radar uses which freq.?
- 47.CMRR of amplifier?
- 48.Binary to hexadecimal conversion?
- 49.Decimal to hexadecimal conversion?
- 50.Firewalls are used for?
- 51.Full form of FPGA?
- 52.Numerical based on Duty cycle and peak power?
- 53.If transmitted power is increased by 16 than range is increased by a) 16, b)8, c)4, d) none of these?
- 54.AGC is used in which of the stage a) receiver b) oscillator c) both a and b d) none of these?
- 55.Delayed AGC is used for which purpose?
- 56.Question based on the value of mirroring?
- 57.Question based on RAID.
- 58.Bridge is used for which of the OSI layer?
59. 5-6 questions are based on various OSI layer and TCP/IP.
- 60.Which type of feedback is used in amplifier a) +ve b) -ve c) both a and b d) none of these?
- 61.question based on i/p impedance of transmission line of a given wavelength.
- 62.What is three things for workstations of DNS server?
- 63.Which of the following is free-running? a) monostable multivibrator , b) astable multivibrator, c) both a and b, d) none of these?
64. 2-3 questions based on voltage and current source.
65. One question of VCO.